

#2 04CD
03/13/2001
OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/811,132

DATE: 04/02/2001

TIME: 11:02:32

Input Set : A:\420d5.app.txt

Output Set: N:\CRF3\04022001\I811132.raw

ENTERED

4 <110> APPLICANT: Anderson, Christen M.
5 Davis, Robert E.
6 Clevenger, William
7 Wiley, Sandra Eileen
8 Willer, Scott W.
9 Szabo, Tomas R.
10 Ghosh, Soumitra S.
11 Moos, Walter H.
12 Pei, Yazhong
14 <120> TITLE OF INVENTION: PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),
15 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR
17 <130> FILE REFERENCE: 660088.420D5
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/811,132
20 <141> CURRENT FILING DATE: 2001-03-14
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 894
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
31 <400> SEQUENCE: 1
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33 gtctccaaga cgcggtcgc ccccatcgag aggggtcaaac tgctgctgca ggtccagcat 120
34 gccagcaaac agatcagtcg tgagaagcag tacaaaggga tcattgattg tgtggtgaga 180
35 atccctaagg agcagggcct cctctccttc tggaggggta acctggccaa cgtgatccgt 240
36 tacttcccca cccaagctct caacttcgcc ttcaaggaca agtacaagca gctcttctta 300
37 gggggtgtgg atcggcataa gcagttcttg cgctactttg ctggtaacct ggcgtccggt 360
38 ggggcccgtg gggccacctc cctttgcttt gtctaccgcg tggactttgc taggaccagg 420
39 ttggctgctg atgtgggcag gcgcgccag cgtgagttcc atggtctggg cgactgtatc 480
40 atcaagatct tcaagtctga tggcctgagg ggcctctacc agggtttcaa cgtctctgtc 540
41 caaggcatca ttatctatag agctgcctac ttccgagctt atgatactgc caaggggatg 600
42 ctgcctgacc ccaagaacgt gcacattttt gtgagctgga tgattgcca gagtgtgacg 660
43 gcagtcgcag ggctgctgtc ctaccctttt gacactgttc gtcgtagaat gatgatgcag 720
44 tccggccgga aaggggccga tattatgtac acggggacag ttgactgctg gaggaagatt 780
45 gcaaaagacg aaggagccaa ggccttcttc aaaggtgcct ggtccaatgt gctgagaggc 840
46 atgggcggtg cttttgtatt ggtgtgtgat gatgagatca aaaaatatgt ctaa 894
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 897
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapien
53 <400> SEQUENCE: 2
54 atgacagatg cgcattgtgc ctctgccaaag gacttccttg caggtggagt ggccgcagcc 60
55 atctccaaga cggcggtagc gcccatcgag cgggtcaaag tgctgctgca ggtgcagcat 120
56 gccagcaagc agatcactgc agataagcaa tacaaaggca ttatagactg cgtgggtccgt 180
57 attcccaagg agcaggaagt tctgtccttc tggcgcggtg acctggccaa tgtcatcaga 240
58 tacttcccca ccaggtctct taacttcgcc ttcaaagata aatacaagca gatcttcttg 300
59 ggtggtgtgg acaagagaac ccagtttttg cgctactttg cagggaatct ggcatcgggt 360

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60 ggtgcccgcag gggccacatc cctgtgtttt gtgtaccctc ttgattttgc ccgtaccgct 420
61 ctagcagctg atgtgggtaa agctggagct gaaagggaaat tccgaggcct cggtgactgc 480
62 ctgggttaaga tctacaaatc tgatgggatt aagggcctgt accaaggctt taacgtgtct 540
63 gtgcagggta ttatcatcta ccgagccgcc tacttcggta tctatgacac tgcaaaggga 600
64 atgcttccgg atoccaaaga cactcacatc gtcatcagct ggatgatcgc acagactgtc 660
65 actgctgttg ccgggttgac ttccatcca tttgacaccg ttccgcccg catgatgatg 720
66 cagtcagggc gcaaaggaaac tgacatcatg tacacaggca cgcttgactg ctggcggaag 780
67 attgctcgtg atgaaggagg caaagctttt ttcaagggtg catggtccaa tgttctcaga 840
68 ggcattgggtg gtgcttttgt gcttgtcttg tatgatgaaa tcaagaagta cacataa 897
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 897
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapien
75 <400> SEQUENCE: 3
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77 atctccaaga cggccgtggc tccgatcagc cgggtcaagt tgctgtgca ggtccagcac 120
78 gccagcaagc agatcgccgc cgacaagcag tacaagggca tcgtggactg cattgtccgc 180
79 atccccaagg agcagggcgt gctgtccttc tggaggggca accttgccaa cgtcattcgc 240
80 tacttcccca ctcaagccct caacttcgcc ttcaaggata agtacaagca gatcttctcg 300
81 gggggcgctg acaagcacac gcagttcttg aggtactttg cgggcaacct ggcctccggc 360
82 ggtgcccgcg gcgcgacctc cctctgcttc gtgtaccgcg tggattttgc cagaaccgcg 420
83 ctggcagcgg acgtgggaaa gtcaggcaca gacgcgagt tccgaggcct gggagactgc 480
84 ctggtgaaga tcaccaagtc cgacggcatc cggggcctgt accaggcctt cagtgtctcc 540
85 gtgcagggca tcatcatcta ccgggcggcc tacttcggcg tgtacgatac ggccaagggc 600
86 atgctccccc accccaagaa cagcacatc gtggtgagct ggatgatcgc gcagaccgtg 660
87 acggccgtgg ccggcgtggt gtcctacccc ttcgacacgg tgcggcggcg catgatgatg 720
88 cagtcagggc gcaaaggagc tgacatcatg tacacgggca ccgtcgactg ttggaggaaag 780
89 atcttcagag atgagggggg caaggccttc ttcaagggtg cgtggtccaa cgtcctgcgg 840
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93 <211> LENGTH: 43
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: PCR Primer
100 <400> SEQUENCE: 4
101 ttatatctcg agtatgggtg atcacgcttg gagcttccta aag 43
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: PCR Primer
111 <400> SEQUENCE: 5
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115 <211> LENGTH: 43
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence

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119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 6
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125 <210> SEQ ID NO: 7
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 7
134 tatataggtta ccttatgtgt acttcttgat ttcatacatc aag 43
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 43
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR Primer
144 <400> SEQUENCE: 8
145 ttatatctcg agtatgacgg aacaggccat ctccttcgcc aaa 43
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR Primer
155 <400> SEQUENCE: 9
156 tatataggtta ccttagagtc accttcttga gctcgctgta cagg 44
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Sequence primer
166 <400> SEQUENCE: 10
167 tatgccatag catttttata c 21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Sequence primer
177 <400> SEQUENCE: 11
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180 <210> SEQ ID NO: 12
181 <211> LENGTH: 45
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:

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Input Set : A:\420d5.app.txt
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186 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
188 <400> SEQUENCE: 12
189 ggagatggcc tgttccgtca tottatcgtc atcgtcgtac agatc          45
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192 <211> LENGTH: 45
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
199 <400> SEQUENCE: 13
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202 <210> SEQ ID NO: 14
203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: PCR primer
210 <400> SEQUENCE: 14
211 cccggggaat tctgatgacg gaacaggcca tctcc          35
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
222 cccgggctcg agttagagtc accttcttga gctc          34
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 41
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR primer
232 <400> SEQUENCE: 16
233 ttataggatc catgacggaa caggccatct ccttcgcaa a          41
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 41
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PCR primer
243 <400> SEQUENCE: 17
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247 <211> LENGTH: 18
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing primer

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257 <210> SEQ ID NO: 19
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263 <223> OTHER INFORMATION: Sequencing primer
265 <400> SEQUENCE: 19
266 acttcaagga gaatttcc 18
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequencing primer
276 <400> SEQUENCE: 20
277 acttcgcctt cacggata 18
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequencing primer
287 <400> SEQUENCE: 21
288 tacggccaag ggcattct 18
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 18
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Sequencing primer
298 <400> SEQUENCE: 22
299 tgaagcggaa gttcctat 18
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 18
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Sequencing primer
309 <400> SEQUENCE: 23
310 atgccggttc ccgtacga 18
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
320 <400> SEQUENCE: 24

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VERIFICATION SUMMARY

DATE: 04/02/2001

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TIME: 11:02:33

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L:19 M:270 C: Current Application Number differs, Wrong Format